



Ordering number C11613_ANNA-50-5-M

Family	Anna-50-5	FWHM	27 degrees
Type	Lens	Efficiency	87 %
LED	LUXEON Rebel ES	cd/Im	2.300
Color	Transparent	Gerber File	Available
Diameter	50 mm		
Height	10.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, glue		
Status	Ready		



Ordering number C11614_ANNA-50-5-W

Family	Anna-50-5	FWHM	29 degrees
Type	Lens	Efficiency	86 %
LED	LUXEON Rebel ES	cd/Im	2.200
Color	Transparent	Gerber File	Available
Diameter	50 mm		
Height	10.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, glue		
Status	Ready		

Ordering number C11612
Description C11612-Anna-50-5-S-RE-ES

Family	Anna-50-5	FWHM	18 degrees
Type	Lens	Efficiency	93 %
LED	LUXEON Rebel ES	cd/Im	6.100
Color	Transparent	Gerber File	Available
Diameter	50 mm		
Height	10.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, glue		
Status	Ready		

NOTE: The typical divergence will be changed by different color, chip size and chip position tolerance. The typical total divergence is the full angle measured where the luminous intensity is half of the peak value.



PRODUCT DATASHEET

Anna-50-5 series

last update 13/2/2012



GENERAL INFORMATION

- Product series especially designed & optimized for LUXEON Rebel ES series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance (105 degrees of Celcius / 220 degrees of Fahrenheit). Allows use of high current and temperature conditions.

Please find more information about used material from below:

http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20UL94_Yellow%20Card.pdf

<http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20PLEXIGLAS-Datasheet.pdf>

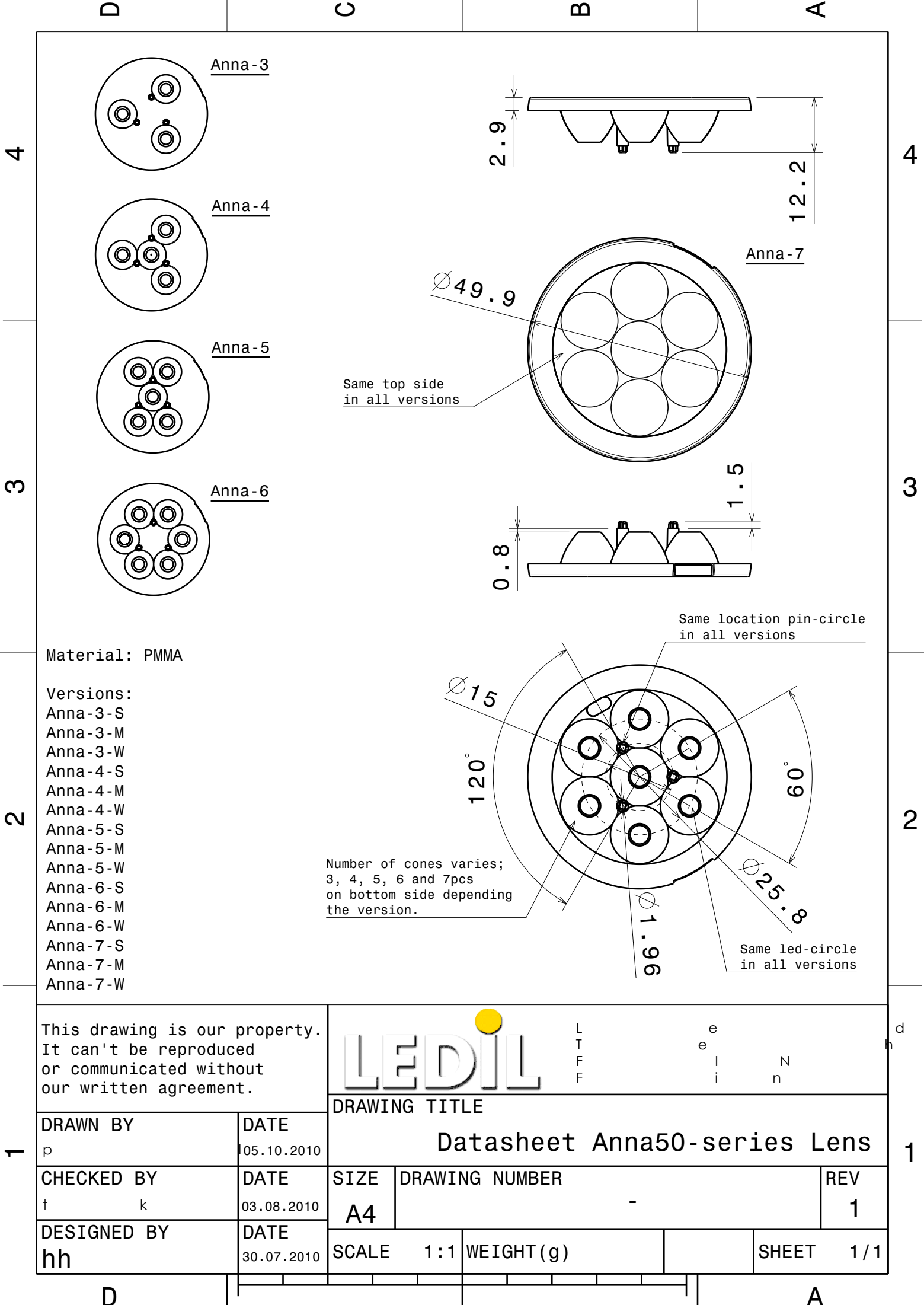
- Fastening to PCB with appropriate adhesive. By clicking link below you can find Ledil recommended glue options.

http://www.ledil.com/datasheets/DataSheet_GLUES.pdf

NOTE 1: We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit board weaken the strength of the glue.

NOTE 2: All surfaces where glue is applied must be clean, dry and free from grease and dirt. If cleaning of PCB surfaces is needed, please follow strictly the cleaning instructions of your LED manufacturer -this is important as cleaning shall under no circumstances damage LEDs or other electronics components on the PCB.

Further note that optical components shall not be cleaned with any chemicals - only micro fiber cloth may be used to remove fingerprints or other traces from handling.



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4

3

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Anna-3

Anna-4

Anna-5

Anna-6

Anna-7

Material: PMMA

Versions:

- Anna-3-S
- Anna-3-M
- Anna-3-W
- Anna-4-S
- Anna-4-M
- Anna-4-W
- Anna-5-S
- Anna-5-M
- Anna-5-W
- Anna-6-S
- Anna-6-M
- Anna-6-W
- Anna-7-S
- Anna-7-M
- Anna-7-W

Same top side
in all versions

Same location pin-circle
in all versions

Number of cones varies;
3, 4, 5, 6 and 7pcs
on bottom side depending
the version.

Same led-circle
in all versions

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DRAWING TITLE

Datasheet Anna50-series Lens

DRAWN BY

p

DATE

05.10.2010

CHECKED BY

t

k

DATE

03.08.2010

DESIGNED BY

hh

DATE

30.07.2010

SIZE

A4

DRAWING NUMBER

-

REV

1

SCALE

1:1

WEIGHT (g)

SHEET

1/1

D

A